CTR



Assistant Secretary
of the Army
(Research, Development
and Acquisition)
and
U.S. Army Materiel
Command

Continuous Technology Refreshment

Reducing Sustainment Costs by Inserting Today's Technologies to Modernize Operational Systems



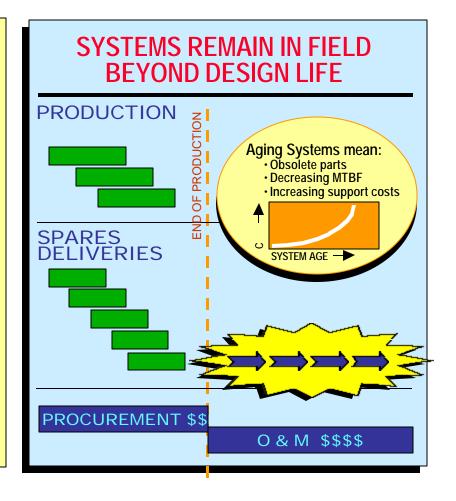
DoD Maintenance Symposium 1999

CTR Strategy . . .

... to Address:

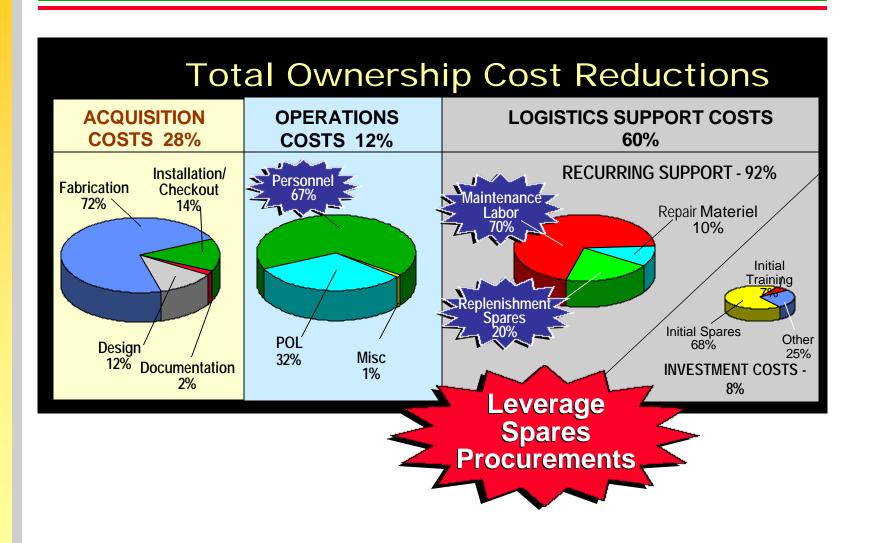
TECHNOLOGY OBSOLESENCE

- Multifunction microcircuits
- Rapid technology cycle reductions
- Capability increases:
 - R&M
 - Processing speeds



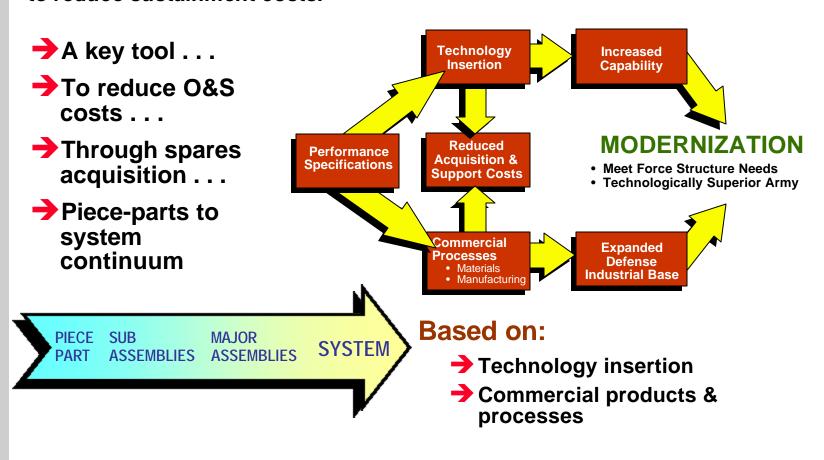
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CTR Leverages Portion of O&S Costs

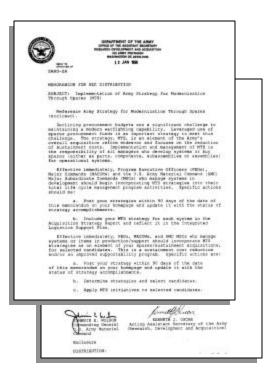


What is CTR: A Definition

Continuous Technology Replacement (CTR) is a spares acquisition strategy applied throughout the materiel acquisition life cycle to reduce sustainment costs.

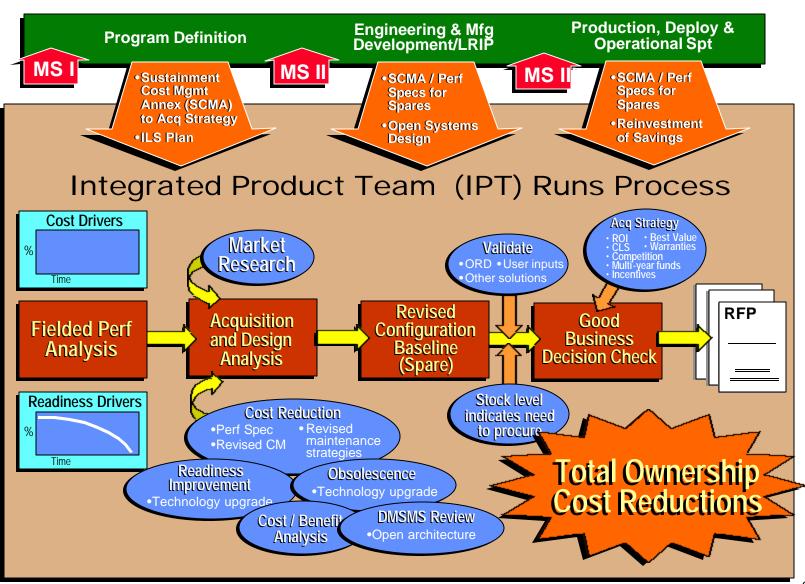


CTR Implementation

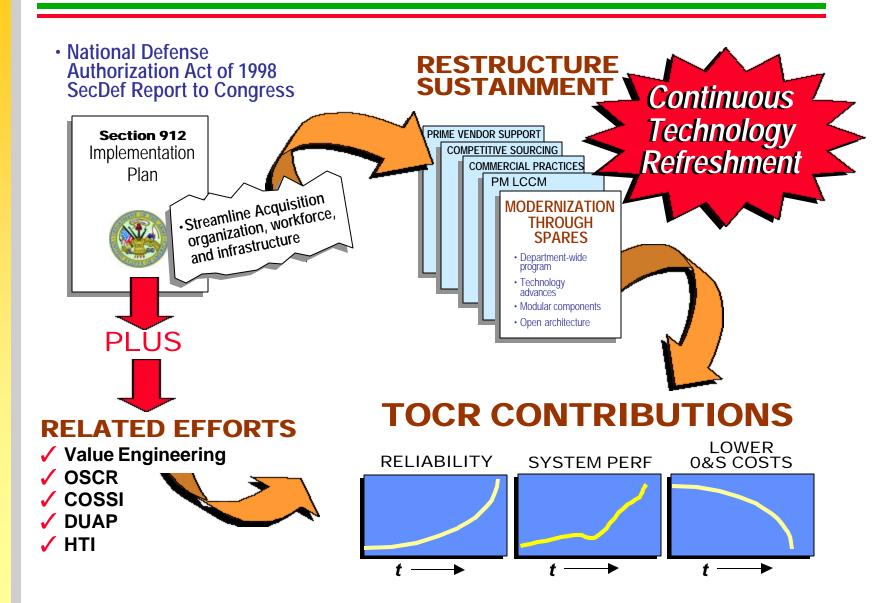


- Tasking Memo of January '98
- Acquisition Managers responsible for implementation
- Consistent with life cycle responsibilities
- Systems in development:
 - → Post strategies on Homepage within 90 days and update with accomplishments
 - → Include CTR in System Acquisition Strategy Report and ILSP
- Spares/sustainment acquisitions:
 - → Post strategies on Homepage within 90 days and update with accomplishments
 - Select candidates
 - → Apply CTR to selected candidates
- Set goals and report progress:
 - Metrics reporting initiated

PM's CTR Life Cycle Role



CTR - Evolutionary Strategy Supporting TOCR



CTR Role in Standardization

Defense Standardization Program Evolution:

MILITARY
SPEC BASED PERF

SPECS

PERFORM-ANCE BASED ACQUISITION Next Evolutionary Step:

> DSP Strategic Plan 2000

- ✓ Interoperability
- ✓ Readiness
- ✓ Total Ownership Costs

CTR PAYOFF

- ✓ Design Alternatives
- ✓ Improved Performance

PROCURE-

MENT

Lower O&S Costs

Even Greater CTR Payoff

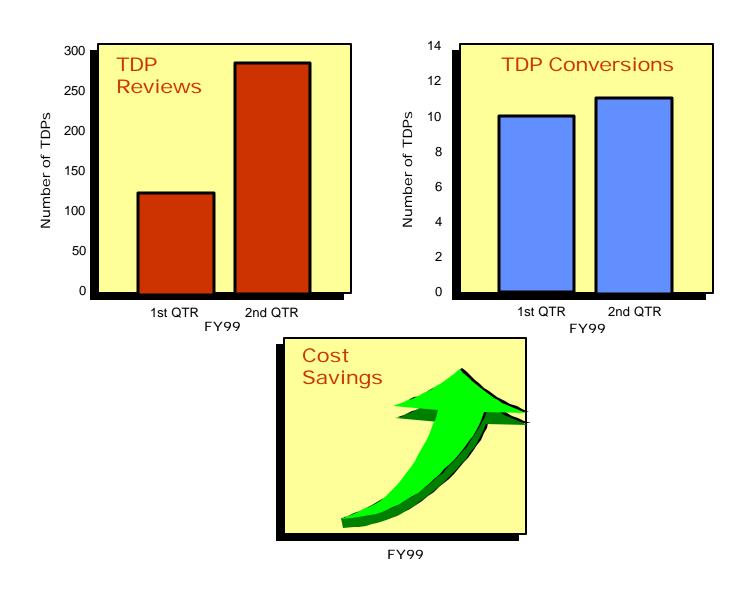
Supporting the Warfighter Through Standardization



Business Strategy Effects

- ✓ Performance based requirements
- System CM at major subsystems level
- ✓ Contractor retains CM role
- ✓ Competitive spares procurements based on form, fit, function and interface
- ✓ Long term supplier relationships

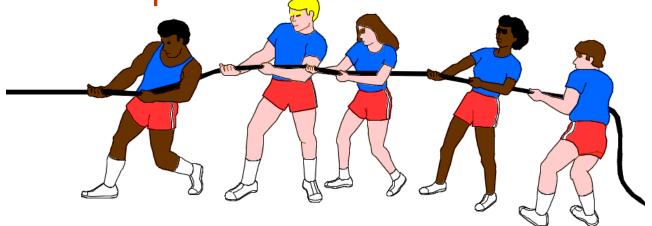
CTR Metrics



Challenges and Issues

- ✓ Willingness / ability to invest today for savings tomorrow
- ✓ Uncertainty of system service life
 - replace vs. extend
- ✓ Allocation of savings/cost avoidances
- ✓ Re-examination of funding and maintenance policy
 - → 'right kind' of funding available





Training Courses



Course Titles:

- ✓ Performance Specification Conversion
- Acquisition Documentation Streamlining
- ✓ CTR I
- ✓ CTR II
- ✓ Smart Acquisition of Military Systems (SAMS)



Summary

- Army has:
 - ✓ Evolved CTR from concept to strategy
 - ✓ Challenged Program/Item Managers to implement CTR
- CTR momentum continues
- CTR links to other Total Ownership Cost Reduction initiatives

